

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
**WO 2005/013759 A1**

(51) International Patent Classification<sup>7</sup>: A45D 34/04

(21) International Application Number:  
PCT/EP2004/007199

(22) International Filing Date: 7 June 2004 (07.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0308731 17 July 2003 (17.07.2003) FR  
60/491,975 4 August 2003 (04.08.2003) US

(71) Applicant (for all designated States except US):  
L'OREAL [FR/FR]; 14, rue Royale, F-75008 Paris  
(FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): LAURENT, Florence  
[FR/FR]; 25 bis, rue Charles Chefson, F-92270 Bois  
Colombes (FR).

(74) Agent: L'OREAL; Boulard Denis - D.I.P.I., 25-29 Quai  
Aulagnier, F-92600 Asnieres (FR).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

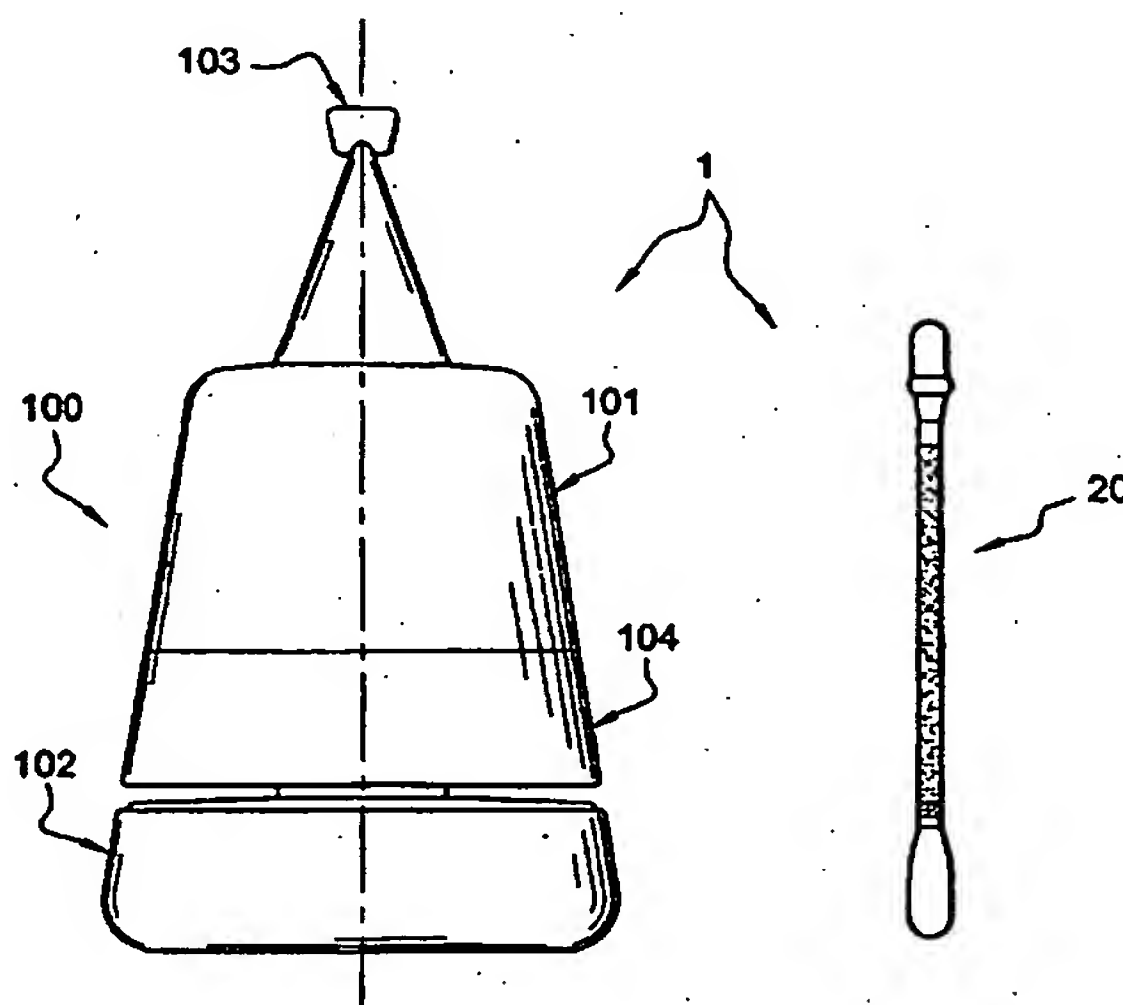
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: HAIR COLORING SYSTEM AND TEST DEVICE CAPABLE OF BEING USED IN SUCH A SYSTEM



(57) Abstract: The application relates to a packaging system for a hair coloring product containing: i) at least one container (102) holding a composition comprising at least one hair colorant, said composition forming or intended to form a hair coloring product ; and ii) at least one test device (20) designed to perform a patch test and incorporating a tube (21) delimiting an internal space containing a dose of said composition, the tube incorporating an outlet aperture (29) and being arranged to cause said composition to be expelled from said outlet aperture (29) in response to excess pressure within the internal space of the tube or when the latter is vented via at least one passage separate from the outlet aperture (29).

WO 2005/013759 A1